

Nu-Tek Soy Peptone HSP-N

Product Code: 1175



QMS Certification Services

For Cell Culture Media and Industrial Fermentation

HSP-N is an enzymatically hydrolyzed non-GM soy protein powder high in low molecular weight peptides. This product has been designed to have higher nitrogen content to help customers match registration requirements and fortify their supply chain. The product is brilliantly clear in solution and can be used in industrial fermentation and advanced cell culture media applications. HSP-N is Animal-free, Kosher and HALAL.

Product Specification and Typical Amino Acid Profile

| <u>Test</u> | <u>Method</u> | <u>Typical Result</u> | <u>Amino Acid</u> | <u>mg/g</u> | <u>Free</u> |
|----------------------------|------------------------------|-----------------------|-------------------|-------------|-------------|
| Appearance | Visual | Light Tan Powder | ALA | 23.1 | 11 |
| Moisture | AOAC 991.02 | <5.0% | ARG | 30.3 | 15.9 |
| Total Nitrogen (dry basis) | AOAC 992.23 | >8.75% | ASP | 64.9 | 7.7 |
| Amino Nitrogen | AOAC 973.31 | >3.0% | CYS | NA | NA |
| pH (10% solution) | AACC-02-05 | 6.7-7.5 | GLU | 110.3 | 19.1 |
| Standard Plate Count | AOAC 990.12 | <5000 CFU/g | GLY | 22.4 | 4.1 |
| Coliform | AOAC 991.14 | <10 CFU/g | HIS | 15 | 7.3 |
| Yeast & Mold | FDA BAM, 7 th Ed. | <50 CFU/g | ILE | 25.4 | 12.5 |
| Salmonella | AOAC 2004.03 | Negative/25g | LEU | 38.5 | 29 |
| | | | LYS | 35.9 | 18.3 |
| | | | MET | 7.5 | 5.1 |
| | | | PHE | 26.2 | 17.5 |
| | | | SER | 27.5 | 12.6 |
| | | | THR | 20.6 | 6.9 |
| | | | TYR | 10.8 | 1.6 |
| | | | VAL | 26.4 | 14.5 |

Packaging and Storage

Packaging: 25kg Polyethylene bag in a corrugated box or drum. Additional configurations available.

Storage Requirements: This product should be kept in a cool, dry and ventilated place. The product should be used as soon as possible after the bag has been opened. Any partially used bags must be sealed properly to prevent moisture absorption by product.

Shelf Life: The shelf life of this product is 3 years when stored at <30°C.

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